MIAMI DADE

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

MIAMI-DADE COUNTY

Rotan Mahogany Millwork, Inc. 4004C Aurora Street Coral Gables, FL 33146

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series Outswing Opaque Wood Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. 12-133 (old 07-211), titled "Mahogany Swing-Out Door-opaque Door", sheets 1 through 7 of 7, dated JUL 10, 2012, prepared by EngCo Inc., signed and sealed by Pedro M. De Figueiredo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 07-0717.10 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

MIAMIDADE COUNTY
APPROVED

NOA No 12-0713.08 Expiration Date: August 08, 2013 Approval Date: August 23, 2012

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's parts drawings and sections (submitted under file # 07-0717.10)
- 2. Drawing No. 12-133 (old 07-211), titled "Mahogany Swing-Out Door-Opaque Door", sheets 1 through 7 of 7, dated JUL 10, 2012, prepared by EngCo Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

Note: This revision consists of FBC 2010 notes & editorial changes only.

- B. TESTS (submitted under file # 07-0717.10)
 - 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an outswing mahogany door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No(s). HETI-01-1184, dated 10/29/01, HETI-01-1095, dated 11/2/01, HETI-01-1185, dated 4/18/01, HETI-01-1077, dated 11/9/01, HETI-01-1190, dated 11/25/01, HETI-01-1079, dated 11/26/01, HETI-01-1007, dated 11/6/01, HETI-01-1186, dated 4/18/01 and HETI-01-1006, dated 10/26/01, all signed and sealed by Hector Medina, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by EngCo Inc., dated July 12, 2007, signed and sealed by Pedro De Figueiredo, P.E. (submitted under file # 07-0717.10).

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2007 & FBC 2010, prepared by Engco Inc., dated 08/13/10, signed and sealed by Pedro M. DeFigueiredo, P.E.
- 2. Statement letter of conformance to FBC 2004 and no financial interest, prepared by Engco Inc., dated 08/28/07, signed and sealed by Pedro DeFigueiredo, P.E. (submitted under file # 07-0717.10)
- 3. Lab compliance as part of the above referenced test report.
- 4. Statement quotation letter dated 08/13/12, issued by Fenestration Testing lab, Inc for retest, signed by Leigh B. Sanchez.

G. OTHER

- 1. This NOA conditionally **revises** & **renews** NOA # **07-0717.10** for one year, subjected to successful retest, the current NOA expired on AUG 08, 2012.
- 2. Pending test proposal dated 08/13/12 with PERA.

Ishaq I. Chanda, P.E. Product Control Examiner NOA No 12-0713.08

Expiration Date: August 08, 2013 Approval Date: August 23, 2012

E - 1

GENERAL NOTES:

FLORIDA BUILDING CODE 2010 HVHZ LARGE & SMALL MISSILE IMPACT RATED

- 1 DEFINITION: THIS PRODUCT IS A SWING-OUT MAHOGANY DOOR; DESIGNED, CONTRUCTED AND ERECTED TO ENCLOSE AN AREA, PROVIDING PROTECTION FROM HURRICANE FORCE WINDS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 2- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE, HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:

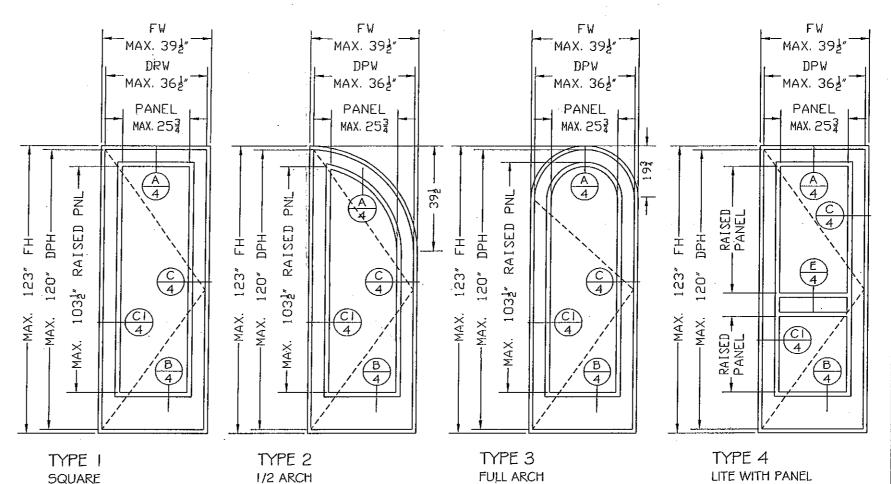
"ROATAN MAHOGANY MILLWORK INC .- MIAM! - FLORIDA LARGE MISSILE IMPACT RESISTANT **ROATAN SWING-OUT DOOR** MIAMI-DADE COUNTY PRODUCT APPROVED"

- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-10 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HERE IN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-10. ARE TO BE MULTIPLE BY 0.6.
- 5- MATERIAL: ALL WOOD MATERIAL TO BE FABRICATED FROM KILN DRIED MAHOGANY.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
- 7. I THE STABILITY OF THE STRUCTURE WHERE THE SHUTTER IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
- 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, WINDLOADS, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
- 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE.

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TYPICAL SINGLE ELEVATIONS



CONFIGURATION

DESIGNED PRESSURE RATING. Pd= ± 75 PSF

CONFIGURATION

MAXIMUM FRAME SIZES FINISHED WIDTH: FW= 39 1/2" FINISHED HEIGHT: FH= 123"

CONFIGURATION

MAXIMUM DOOR PANEL SIZES: DOOR PANEL WIDTH: DPW= 36 1/2" DOOR PANEL HEIGHT: DPH= 120"

MAXIMUM CLADDING SIZES J 1/2" MAHOGANY SOLID WOOD PANEL RAISED PANEL: 25 3/4" X 103 1/2"

> LEGEND FH - FINISHED HEIGHT FW - FINISHED WIDTH DLO- DAY LIGHT OPENING DPH - DOOR PANEL HEIGHT DPW - DOOR PANEL WIDTH

WOOD TYPE: VERNACULAR NAME: TRUE MAHOGANY SCIENTIFIC NAME: SWIETENIA MACROPHYLLA G. KING FAMILY: MELIACEAE MINIMUM SPECIFIC GRAVITY: 0.45

CONFIGURATION

ROATAN MAHOGANY

MANUFACTURER:

MILLWORK INC

4004C AURORA STREET CORAL GABLES, FL 33146 PHONE: (305) 774-5999 FAX: (305) 774-0083

PRODUCT:

MAHOGANY SWING-OUT DOOR

OPAQUE DOOR WOOD PANEL OPTION ONLY LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CABILG

5595 ORANGE DR. 201 DAVIE, FL. 33314 Tel.: (954) 585-0304 ENGCO@AOL.COM



Engineer Seal Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

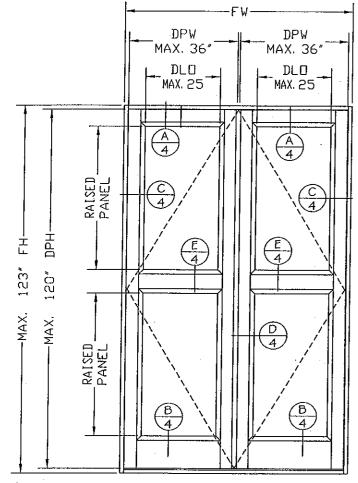
PRODUCT REVISED Espiration Base AUG 08,2013

DATE: 06/25/2012 SCALE: NA DESIGN BY: PPMF

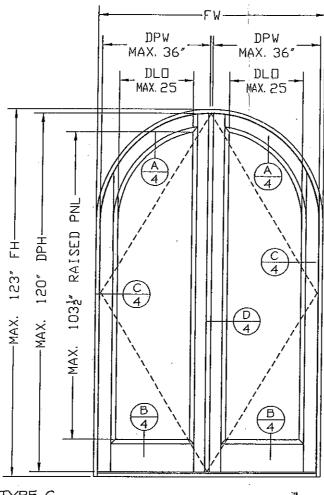
> SHEET 1 OF 7

DRAWING #: 12-133

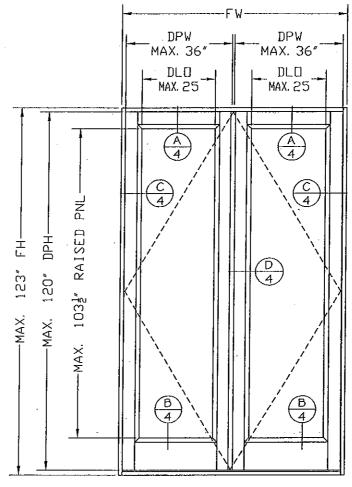
TYPICAL PAIR ELEVATIONS



TYPE 5 SPLIT PANEL CONFIGURATION



TYPE 6 ARCH CONFIGURATION



TYPE 7 SQUARE CONFIGURATION

DESIGNED PRESSURE RATING Pd= ± 75 PSF

MAXIMUM FRAME SIZES: FINISHED WIDTH: FW= 75 1/2" FINISHED HEIGHT: FH= 123"

MAXIMUM CLADDING SIZES: 1 1/2" MAHOGANY SOLID WOOD PANEL DLO: 25" X 103 3/4"

MANUFACTURER:

ROATAN MAHOGANY MILLWORK INC

4004C AURORA STREET CORAL GABLES, FL 33146 PHONE: (305) 774-5999 FAX: (305) 774-0083

PRODUCT:

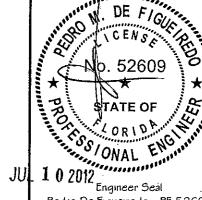
MAHOGANY SWING-OUT DOOR

OPAQUE DOOR WOOD PANEL OPTION ONLY LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CABILIS

5595 ORANGE DR. 201 DAVIE, FL. 33314 Tel.: (954) 585-0304 ENGCO@AOL.COM



Pedro De Figueiredo - PE 52609

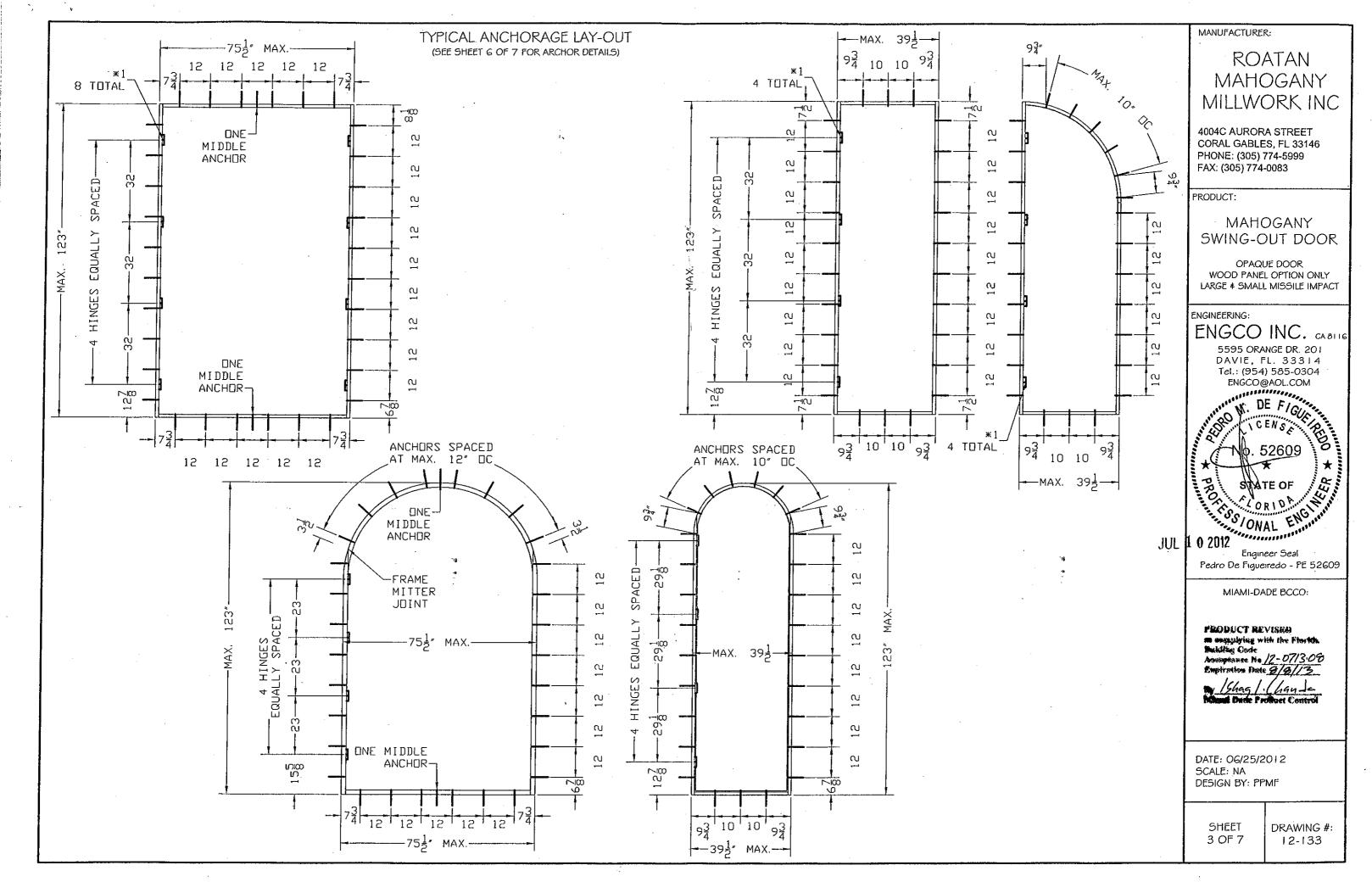
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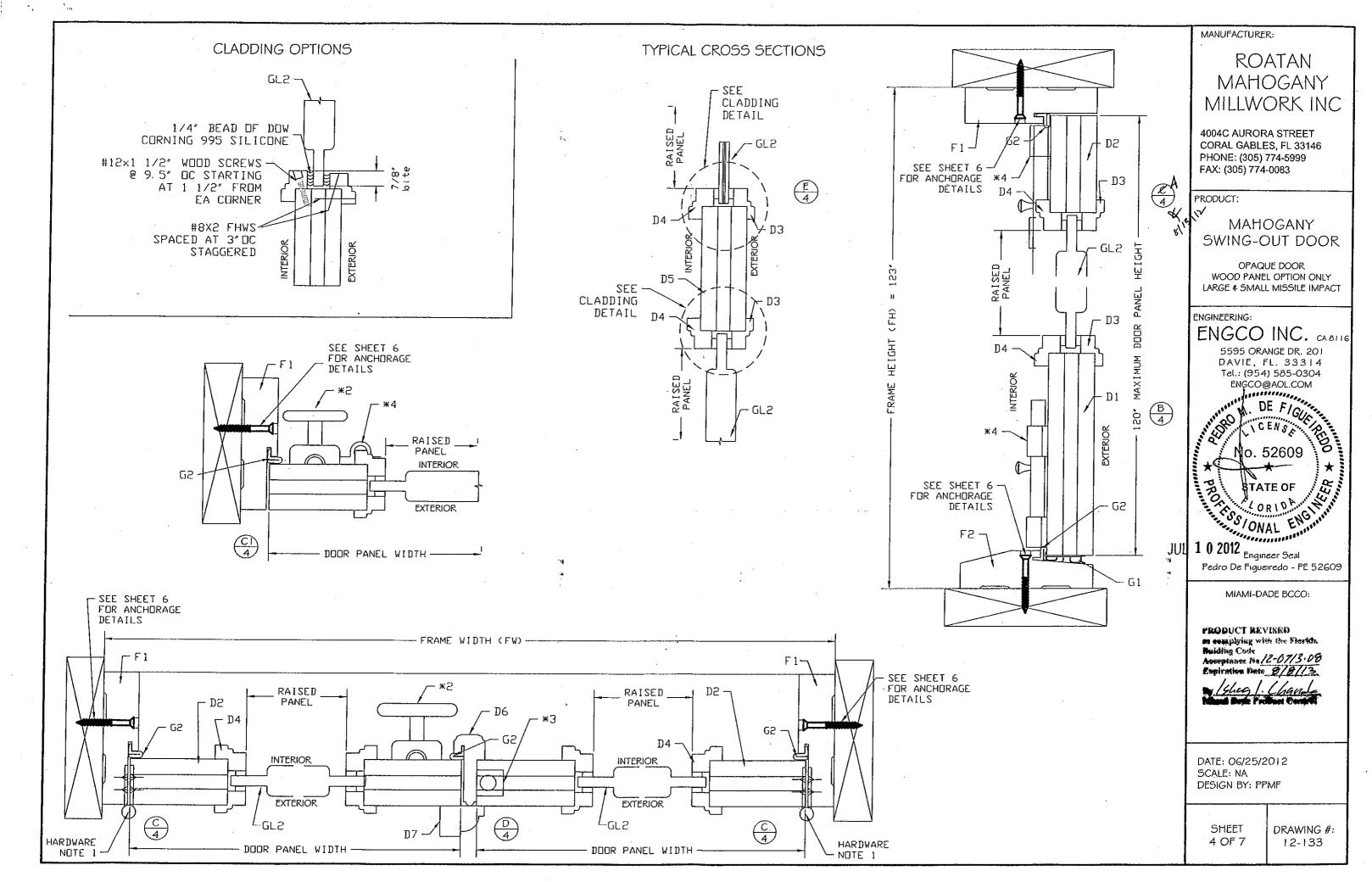
PRODUCT REVISED

DATE: 06/25/2012 SCALE: NA DESIGN BY: PPMF

> SHEET 2 OF 7

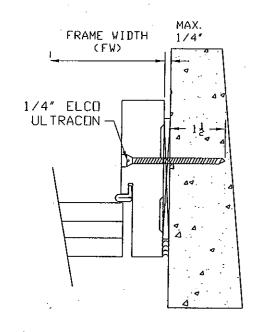
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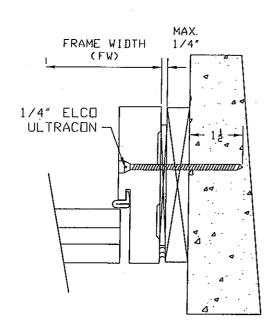


MANUFACTURER: ROATAN HARDWARE LAY-OUT *3- NATIONAL .60" DIAM. THROW BOLT MAHOGANY MILLWORK INC 4 TOTAL-2 3/4" --2 TOTAL 2 TOTAL 4 TOTAL 4004C AURORA STREET 8 TOTAL CORAL GABLES, FL 33146 PHONE: (305) 774-5999 4 TOTAL FAX: (305) 774-0083 PRODUCT: 8 TOTAL SPACED-291 MAHOGANY (6)#14X1 1/4" SWING-OUT DOOR WOOD SCREWS EQUALLY **OPAQUE DOOR** EQUALLY WOOD PANEL OPTION ONLY ACTIVE INACTIVE LARGE & SMALL MISSILE IMPACT ACTIVE INACTIVE 29<u>1</u> HINGES ENGINEERING: - DOUBLE PLATE HINGES ENGCO INC. CABILE . 082" THICK STEEL 5595 ORANGE DR. 201 DAVIE, FL. 33314 29<u>1</u>. Tel.: (954) 585-0304 ENGCO@AOL.COM N N $12\frac{7}{8}$ Nb. 52609 . 108" STEEL HARDWARE KEEPER - 4 1/2"x 4 1/2"x .136 HAGER 1279 HINGES SPACED AS PER 875. JUL 1 0 2012 (2)#14X1 1/4" ELEVATIONS ABOVE AND CONNECTED WITH (8) #12x1 1/4" WDDD SCREWS FH SMS. (SQUARE DOOR, 4 PER LEAF AND ARCH DOOR, 3 4 TOTAL 0 PER LEAF) Engineer Seal 2- ARDIMPEX THREE POINT CREMONS ON ACTIVE LEAF Pedro De Figueiredo - PE 52609 FASTENED WITH (12) #10X 1 1/2" FH SMS. 3- HARROW PRODUCTS INC. FLUSH BOLTS 296G UL LISTED TOP AND BOTTOM OF INACTIVE LEAF. 32 MIAMI-DADE BCCO: 4 TOTAL 4- SECONDARY LOCKS (ACTIVATE ONLY WHEN HURRICANE FORCE WINDS ARE EXPECTED) - NATIONAL O.60 DIA THROW BOLT ANCHORED WITH (6) #14X1 1/4" ON ACTIVE AND PRODUCT REVISED INACTIVE DOORS TOP AND BOTTOM RAILS. *2- ARDIMPEX THREE POINT CREMONES as complying with the Floren SAME DETAIL TOP AND BOTTOM Acceptance No 12-07/3.08 TOP & BOTTOM MID GUIDE ---GUIDE 32 DATE: 06/25/2012 SCALE: NA DESIGN BY: PPMF 15 8 123 (2) #10X1 1/2"—/(2) #10X1 1/2" (4) #10X1 1/2"_ SHEET DRAWING #: WOOD SCREWS WOOD SCREWS WOOD SCREWS 5 OF 7 12-133

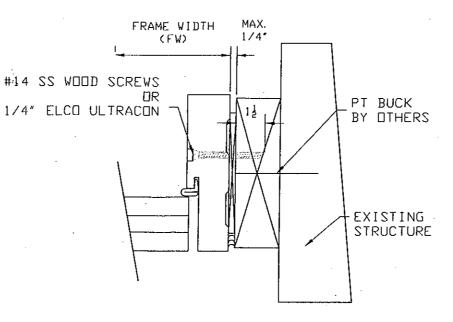
TYPICAL ANCHORAGE DETAILS



OPTION I FRAME WITH MAXIMUM 1/4" PT WOOD SHIM 1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO MASONRY (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

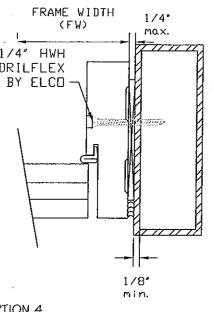


OPTION 2 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM AND I"X PT CONT. WOOD SPACER 1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO MASONRY (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

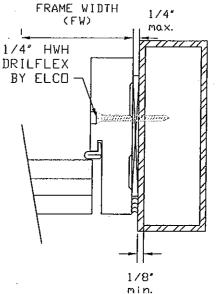


OPTION 3 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM AND 2"X PT CONT. WOOD BUCK BY OTHERS #14 SS WOOD SCREWS OR 1/4" ULTRACONS WITH 1 1/2" MIN, EMBEDMENT INTO WOOD (SG=.55) (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

WITH DOW 995 SILICONE.



OPTION 4 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM 1/4"-20 HWH DRILFLEX SELF DRILLING SCREWS BY ELCO INTO MIN. 1/8" A36 STEEL (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



Nb. 52609 ORIV. Pedro De Figueiredo - PE 52609 MIAMI-DADE BCCO: PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0713.08 Espiration Date \$19/13

> DATE: 06/25/2012 SCALE: NA DESIGN BY: PPMF

MANUFACTURER:

ROATAN MAHOGANY

MILLWORK INC

4004C AURORA STREET

PHONE: (305) 774-5999

FAX: (305) 774-0083

PRODUCT:

ENGINEERING:

CORAL GABLES, FL 33146

MAHOGANY SWING-OUT DOOR

OPAQUE DOOR WOOD PANEL OPTION ONLY LARGE & SMALL MISSILE IMPACT

ENGCO INC. CABIIG

5595 ORANGE DR. 201

DAVIE, FL. 33314

Tel.: (954) 585-0304

ENGCO@AOL.COM DE FIGURE

SHEET 6 OF 7

DRAWING #: 12-133

